**MINUTES OF JUMBA STAKEHOLDERS MEETING, HELD ON 17. NOVEMBER.2016**

**VENUE: WHITE ROSE HALL – BABATI, MANYARA**

1. **MEETING PARTICIPANTS**

Forty six delegates attended the meeting. Participants comprised of extension agents and farmer representatives at village and ward level, policy makers at ward and district level, NGOs, researchers, and private companies (seed and fertilizer companies). A ward has a number of villages and sub villages. During phase 1; Africa RISING was engaged in adaptive research of promising technologies in a limited number of villages but phase2 is more focused on scaling out validated integrated technologies across the district. Invitation of policy makers (Ward executive officers) from the six wards was a strategic move to initiate publicity of phase 2 work plan within and beyond current Africa RISING action villages.

1. **OPENING REMARKS**

The Honorable District Commissioner, Mr. Raymond Mushi, officiated the meeting. In his opening remarks, the commissioner underscored the fact that agriculture and livestock sectors are central to Babati district economic development; but the district was yet to tap their full potential due to low uptake of recommended agronomic practices, poor markets for farm produce and limited farmer access to inputs. He commended Africa RISING for taking the initiative to establish JUMBA, which enhances collaborative efforts by development partners in addressing farmers’ needs including efficient dissemination of improved farming practices and technologies.

1. **MEETING AGENDA**
   1. **Matters arising from previous meeting minutes**
      1. **Platform Logo:** approved with minor corrections
      2. **Platform Constitution:** Approved with few amendments.
   2. **Revision of JUMBA Management Committee membership:** Currently, composition of the management committee includes two representatives from the Ministry headquarters. The committee felt the need to revise the composition by substituting them with members working/living within the Northern Agricultural Research and Development Zone that covers Manyara, Arusha and Kilimanjaro regions. The meeting nominated Leonard Marwa to represent livestock research and Luhenda Yangole to represent crops research. The revision is provided for under article 8.2.2.6 of the constitution and is geared towards reducing running costs. Similarly Monica Pascal, a farmer replaced Rita Dawite whose active participation in JUMBA has been constrained by socio-cultural norms. Mr. Crispin Naali, an active young farmer was nominated to represent youth in the platform
      1. **Presentations by A-R researchers:** Presentations covered main research outputs over the last four years and their potential contribution to increased agricultural productivity.
      2. **Crop management efficiency:** Research efforts focused on maize and pigeon pea response to different sources of P fertilizer under maize-p.pea intercrop. Locally produced Minjingu fertilizers demonstrated competitive performance comparable to a commercial brand of P fertilizer (Di-ammonium phosphate) Yield increase associated with correct application of Minjingu mazao /granular) was 3-5 higher than untreated. In the uplands (Long village) the Cost: Benefit ratio was 2.4 for DAP, and 2.0 for the remaining treatments; i.e. minjingu mazao, minjingu granular and 3t/ha farm yard manure mixed with half rate of minjingu mazao. In the lowlands (Seloto, Hallu and Sabilo villages) the ratio was much higher: 3.3 for DAP, 3.0 M.mazao and 2.7 M. granular. Recommended application rate for both DAP and Minjingu fertilizers is 20 kg P2O5 /ha (actual phosphorus).
      3. **Integrated livestock feed interventions**: Covered three main research topics: improved forage accessions for animal feed; forages as a land management strategy and efficient use of crop residues. Results showed that improved Napier grass (KK2, KK1, ILRI 16835, ILRI 16837) produced higher biomass and crude protein compared to unimproved accessions. Napier grass/ Desmodium mixture reduced soil erosion by 40-60% and enhanced soil moisture infiltration. Forage choppers mitigate labour requirement (have the capacity to chop maize stover 137kg/hour and green fodder 400kg/hr); enhance feed intake, make feed more digestible and enable easier feed mixing.
   3. **Vegetables integration into maize farming system:** Integration for income diversification, improved household nutrition, while reducing negative environmental impacts Main vegetable sub sector challenges - pests and diseases, poor soil fertility, poor agronomic practices, limited access to elite varieties and good quality seeds, volatile markets and drought/limited availability of water for irrigation. Research findings showed impressive yield gain as a result of integrating improved vegetable varieties and recommended husbandry practices For instance, tomato: 28.3 t/ha to 64.75t/ha; African eggplant: 23 t/ha to 54t/ha; translating to a cost: benefit ratio of 8.5 for tomatoes and 4.5 for Africa eggplant. Deployment of elite varieties, good quality seeds and healthy seedlings were the most important contributors to yield increase.
   4. **Food storage, Nutrition and Mycotoxins**: Traditional harvesting, shelling and storage methods lead to up to 50% crop loss; whereas contamination of maize by Aflatoxin (0- 26.2 ug/kg) and fumonisins (0-46.2mg/kg) pose health risks to consumers. The programme advocates an integrated package for mitigating food loss, food quality, labour requirements and health risks to consumers: (i) use of labour saving motorized shelling machines (15bags/hour and 5bags/hour); (ii) Collapsible Drying Cases (CDC) which reduces moisture content of maize from 18% at harvest time to safe moisture levels under storage (13% for cereals and 12% for legumes) within a short period and (iii) use of improved bags (PICS bags, Super grain bags, AgroZ bags and Grain Safe Cocoon) for effective and chemical free grain storage .
   5. **Salient Comments /remarks raised during discussions:** 
      1. The impressive response of maize varieties to locally produced Minjingu fertilizer led to a unanimous pledge to Minjingu Company to publicize itself more aggressively through on-farm demonstrations and retail shops network. SEEDCO company showed interest to collaborate with the fertilizer company
      2. Minjingu company representative indicated that the company has new brands –Minjingu NAFAKA with a richer range of nutrient elements for basal application; and another brand suitable for top dressing(N 27%, P2O5 10% and CaO 15%)
      3. Policy makers from the six wards do see the potential contribution of platforms in articulating demand driven crops/livestock interventions at ward level
      4. Performance of forage species in Hallu village has attracted farmers’ interest in the technology across Gallapo ward. Farmers in Hallu are equally impressed by the forage chopper machine.
      5. Magugu ward executive officer was impressed by the range of research areas and the provision for giving feedback to farmers on research findings. On the same tone, KIsangaji ward executive officer appreciated the potential contribution of the of the technologies to increased productivity and income
      6. One –day meeting is too short to accommodate exhaustive discussions on the subject
      7. There is need for broader JUMBA publicity; expand to all wards
      8. JUMBA is currently dependent on donor support. It should work out how to operate independently using its own resources
      9. It is desirable to have an office allocated to JUMBA for safe custody of records including reports submitted by partners
   6. **JUMBA 2016-17 Work plans**
      1. Two stakeholder annual meetings ( Nov. 2016 and Sept 2017)
      2. Management committee meeting ( June ,2017)
      3. Establishment of JUMBA in six wards ( Jan -March 2017)
      4. Capacity building of TOT on improved agronomic / livestock management practices; mobilization and management of farmers groups; entrepreneurship and business skills (Feb –July 2017)



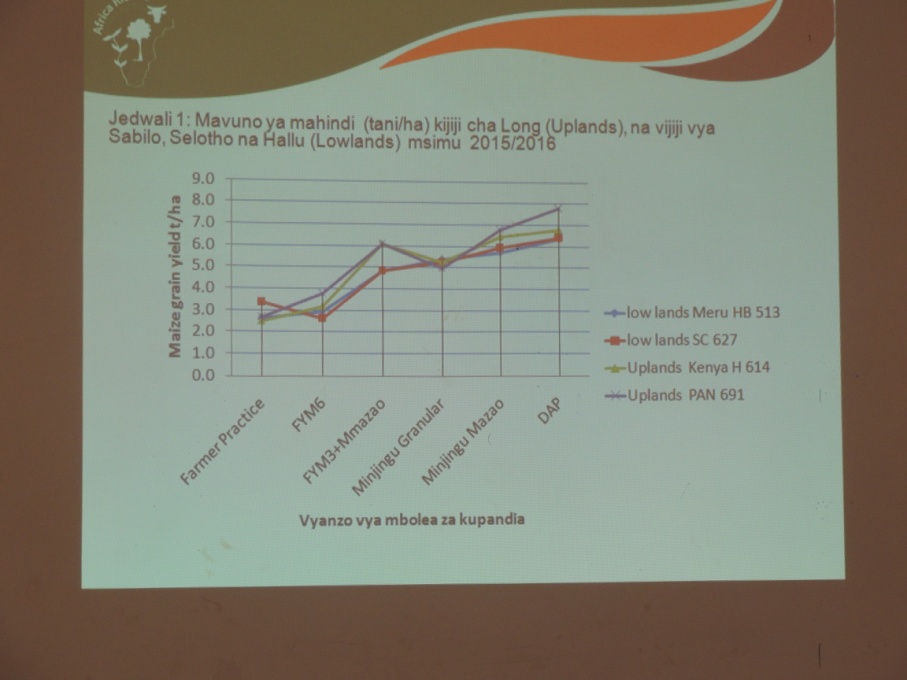
Crispin Naali, a young farmer nominated to represent youth in the platform committee



Andrea Mayi, a farmer elaborating his comments during the discussion.



Inviolate Dominick, a research assistant demonstrating to the participants the research findings from vegetable theme.



A power point presentation displaying the maize yields for the project sites.



Participants keenly reading the platform’s prepared constitution.



Group photo: Babati District Commissioner, Raymond Mushi (right: sixth, front row) with the participants during the JUMBA annual stakeholders’ meeting in Babati

**APPENDIX 1: LIST OF PARTICIPANTS – JUMBA ANNUAL STAKEHOLDERS’ MEETING**

**DATE: 17.11.206**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Ser. No** | **Name** | **Gender** | **Occupation** | **Telephone** | **Email address** |
| **1** | Patrick Sist | M | Farmer | 0689588454 |  |
| **2** | Jackson Mbwambo | M | Extension agent/WEO Dareda | 0784620173 |  |
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